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A Report on the Retail Prices of Nitrate of Soda and Acid Phosphate as of May 1, 1919



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RETAIL PRICES OF NITRATE OF SODA AND ACID PHOSPHATE.

THE striking disclosure is made in figures gathered by the United States Department of Agriculture that retail prices of fertilizer materials paid by farmers at the present time in local markets vary considerably as between States and regions and widely as between counties in the same States. In some instances the variation is more than 100 per cent. For instance, a farmer in one county in Tennessee is paying \$81 a ton, and in another county \$150 a ton for nitrate of soda, and in Georgia a farmer is paying \$17.50 in one county and \$49.70 in another for acid phosphate.

The Department has made inquiry through the county agricultural agents, who work under the direction of the Department and the State agricultural colleges, of the retail price asked by dealers for the principal fertilizer constituents as of May 1, 1919, in the States where fertilizers are used to a considerable extent. The data have not yet all been received, and the inquiry is being pushed, but the results so far obtained show such wide discrepancies in the price for fertilizer material within the States and, in many instances, such an unreasonable spread between the wholesale and retail prices that the Department feels justified in making a preliminary report for the information of the farmers.

WHOLESALE AND RETAIL PRICES OF NITRATE.

The wholesale quotation on nitrate of soda in New York City was \$88.50 per ton from December 9, 1918, to February 24, 1919. On March 3 it was \$84 per ton and on March 10 it was quoted at \$81.50 per ton, which price has prevailed up to and including April 28. The average retail price per ton reported from the New England States was \$102.66; from Pennsylvania, \$101.33; from the East North Central States, \$99.46; from the South Atlantic States, \$99.85; from the East South Central States, \$102.70; and from the West South Central States, \$105.14. Differences in freight rates no doubt have some influence in these variations among States and regions, but freight rates alone can not explain the wide variations in prices in different counties in the same State, as shown by a further analysis of the figures.

In five counties in Connecticut the average retail price varies from \$95 to \$141.67 per ton. In the county of Fairfield the range is from \$120 to \$160 per ton. In three counties in Pennsylvania the range is from \$79 to \$120 per ton; in 11 counties in Indiana the range is from

\$81 to \$102.50 per ton; in 13 counties in Maryland, from \$88 to \$110; in 31 counties in Virginia, from \$81 to \$140; in 44 counties in North Carolina, from \$84 to \$150; in 20 counties in South Carolina, from \$86 to \$110; in 65 counties in Georgia, from \$83 to \$125; in 20 counties in Florida, from \$90 to \$120; in 9 counties in Kentucky, from \$81 to \$200; in 30 counties in Alabama, from \$80 to \$125; in 16 counties in Mississippi, from \$82.50 to \$120; in five counties in Arkansas, from \$85 to \$105; in 14 counties in Louisiana, from \$81 to \$140; in 14 counties in Texas, from \$81 to \$150; and in 11 counties in Tennessee, from \$81 to \$150.

WIDE SPREAD IN PRICES OF ACID PHOSPHATE.

In the case of acid phosphate the wholesale price in New York remained at \$18 per ton from February, 1918, to October of the same year. In November the average quotation was \$17.67, from December to February it was \$17, in March \$16.87, and in April \$16.22. The average retail price per ton as reported by the county agents in the New England States was \$29.50; in Pennsylvania, \$29.32; in the East North Central States, \$30.07; in the South Atlantic States, \$26.25; in the East South Central States, \$28.87; and in the West South Central States, \$30.60.

In three counties in Massachusetts the average retail price per ton ranges from \$27 to \$31.50; in five counties in Connecticut, from \$25 to \$37; in eight counties in Pennsylvania, from \$27.65 to \$31.25; in 38 counties in Indiana, from \$27.50 to \$35; in 51 counties in Tennessee, from \$25 to \$37.50; in 47 counties in Alabama, from \$22 to \$30; in 27 counties in Arkansas, from \$25.15 to \$40; in 81 counties in Georgia, from \$17.50 to \$49.70; in 38 counties in Kentucky, from \$25 to \$43; in 39 counties in Texas, from \$24.25 to \$70; in 42 counties in Louisiana, from \$22 to \$34.50; in 40 counties in Mississippi, from \$24 to \$35; in 21 counties in West Virginia, from \$28.75 to \$32; in 52 counties in Virginia, from \$21.25 to \$42.80; in 61 counties in North Carolina, from \$23 to \$29.99; in 37 counties in Florida, from \$21 to \$43; in 23 counties in South Carolina, from \$21 to \$28; and in 15 counties in Maryland, from \$24 to \$29.50. These prices are all based upon 16 per cent acid phosphate.

Seven county agents in Georgia report an average price of \$18.79 per ton in bulk and \$26.36 in sacks, making a difference of \$7.57 for sacks while under war conditions the cost of sufficient sacks to carry a ton and of the labor for filling did not exceed \$3.50.

The figures appear more in detail in the tables as following. Where a county occurs twice there are two county agents and the prices are for different parts of the county.

NITRATE OF SODA.

The following table gives the wholesale price of nitrate of soda at New York for each week since the first of January, 1919:

TABLE I.—*Wholesale price of nitrate of soda at New York for each week from January 1 to May 1, 1919.*

Date 1919.	Price per ton.	Relative price.*	Date 1919.	Price per ton.	Relative price.*
	<i>Dollars.</i>			<i>Dollars.</i>	
January 6.....	88.50	190	March 3.....	84.00	181
13.....	88.50	190	10.....	81.50	175
20.....	88.50	190	17.....	81.50	175
27.....	88.50	190	24.....	81.50	175
February 3.....	88.50	190	April 7.....	81.50	175
10.....	88.50	190	14.....	81.50	175
17.....	88.50	190	21.....	81.50	175
24.....	88.50	190	28.....	81.50	175

* Based on average price July 1, 1913, to June 30, 1914, \$46.366 per ton = 100.

The following tables give the retail prices of nitrate of soda in various parts of the country, summarized by districts (Table II), by States (Table III), and by counties (Table IV):

TABLE II.—*Retail price of nitrate of soda as reported by County Agents, May 1, 1919, summarized by districts.*

District and State.	Number of counties.	Average retail price, per ton.	Number of counties.	Average retail price, per ton.	District and State.	Number of counties.	Average retail price, per ton.	Number of counties.	Average retail price, per ton.
		<i>Dollars.</i>		<i>Dollars.</i>			<i>Dollars.</i>		<i>Dollars.</i>
New England:					S. Atlantic—Cont.:				
Vermont.....	1	101.50			South Carolina.....	20	96.28		
Massachusetts.....	2	92.50			Georgia.....	65	100.45		
Connecticut.....	5	106.95	8	102.66	Florida.....	20	99.73	193	99.85
Middle Atlantic:					East South Central:				
Pennsylvania.....	3	101.33	3	101.33	Kentucky.....	9	117.61		
East North Central:					Tennessee.....	11	107.82		
Indiana.....	11	98.50			Alabama.....	30	97.84		
Michigan.....	1	110.00	12	99.46	Mississippi.....	16	100.02	67	102.70
South Atlantic:					West South Central:				
Maryland.....	13	100.04			Arkansas.....	5	97.40		
Virginia.....	31	101.15			Louisiana.....	14	103.57		
North Carolina.....	44	99.63			Oklahoma.....	1	120.00		
					Texas.....	14	108.43	34	105.14

TABLE III.—*Retail price of nitrate of soda as reported by County Agents, May 1, 1919, summarized by States.*

State.	Counties.	Average price, per ton.	State.	Counties.	Average price, per ton.
		<i>Dollars.</i>			<i>Dollars.</i>
Massachusetts.....	2	92.50	Pennsylvania.....	3	101.33
South Carolina.....	20	96.28	Vermont.....	1	101.50
Arkansas.....	5	97.40	Louisiana.....	14	103.57
Alabama.....	30	97.84	Connecticut.....	5	106.95
North Carolina.....	43	99.63	Tennessee.....	11	107.82
Florida.....	20	99.73	Texas.....	14	108.43
Mississippi.....	16	100.02	Michigan.....	1	110.00
Maryland.....	13	100.04	Kentucky.....	9	117.61
Georgia.....	65	100.45	Oklahoma.....	1	120.00
Virginia.....	32	101.15			

TABLE IV.—Retail price of nitrate of soda, as reported by County Agents, May 1, 1919
summarized by counties.

State and county.	Average retail price, per ton.	State and county.	Average retail price, per ton.
Vermont:	<i>Dollars.</i>	Virginia—Continued:	<i>Dollars.</i>
Windsor.....	101.50	Greensville.....	95.00
Massachusetts:		Lunenburg.....	95.00
Franklin.....	90.00	Richmond.....	98.45
Middlesex.....	95.00	Smyth.....	100.00
Connecticut:		Bland.....	100.00
Windham.....	95.00	Augusta.....	100.00
Tolland.....	95.00	York.....	100.00
New Haven.....	98.00	Brunswick.....	100.00
Hartford.....	105.00	Southampton.....	100.00
Fairfield—		Chesterfield.....	100.00
Quotation A.....	\$120.00	Roanoke.....	100.00
Quotation B.....	145.00	Nottoway.....	100.00
Quotation C.....	160.00	Dinwiddie.....	100.00
Average.....	141.67	Greensville.....	100.00
Pennsylvania:		Henrico.....	100.00
Westmoreland.....	79.00	Roanoke.....	100.00
Greene.....	105.00	Mecklenburg.....	105.00
Washington.....	120.00	Wythe.....	105.00
Indiana:		Hanover.....	110.00
Elkhart.....	81.00	Appomattox.....	110.00
Decatur.....	98.00	Craig.....	115.00
Sullivan.....	100.00	Campbell.....	130.00
Knox.....	100.00	Pulaski.....	140.00
Daviess.....	100.00		
White.....	100.00	North Carolina:	
Greene.....	100.00	Nash.....	84.00
Madison.....	100.00	Catawba.....	85.00
Porter.....	100.00	Edgecombe.....	85.75
Rush—		Anson.....	90.00
Quotation A.....	\$104.00	Chowan.....	90.00
Quotation B.....	100.00	Wayne.....	90.00
Average.....	102.00	Halifax.....	91.00
Orange:		Lincoln.....	92.00
Quotation A.....	\$100.00	Northampton.....	93.50
Quotation B.....	105.00	Cumberland.....	93.55
Average.....	102.50	Gates.....	94.00
Michigan:		Cleveland.....	95.00
Kent.....	110.00	Lee.....	95.00
Maryland:		Lenoir.....	95.00
Cecil.....	88.00	Johnston.....	95.00
Wicomico.....	90.00	Union.....	95.00
Washington.....	95.00	Perquimans.....	95.00
Worcester.....	95.00	Columbus.....	96.50
Caroline.....	97.50	Robeson.....	98.00
Charles.....	109.00	Stokes.....	100.00
Harford.....	100.00	Davie.....	100.00
Somerset.....	105.00	Brunswick.....	100.00
Kent.....	105.00	Davidson.....	100.00
Prince Georges.....	105.00	Cabarrus.....	100.00
Upper end of Eastern Shore.....	105.00	Beaufort.....	100.00
Allegany.....	105.00	Chatham.....	100.00
Frederick.....	110.00	Rowan.....	100.00
Virginia:		Pender.....	100.00
Fairfax.....	81.00	Granville.....	100.00
Goochland.....	84.50	Moore.....	100.00
Lee.....	85.00	Vance.....	100.00
Nansemond.....	90.00	Yadkin.....	100.00
Princess Anne.....	90.00	Cherokee.....	100.50
Southampton.....	90.00	New Hanover.....	102.50
Caroline.....	92.84	Jones.....	103.00
Charlotte.....	95.00	Forsyth.....	103.50
		Sampson.....	103.75
		Harnett.....	107.50
		Franklin.....	110.00
		Martin and Pitt.....	110.00
		Buncombe.....	120.00
		Alamance and Guilford.....	120.00
		Rockingham.....	150.00

TABLE IV.—Retail price of nitrate of soda, as reported by County Agents, May 1, 1919, summarized by counties—Continued.

State and county.	Average retail price, per ton.	State and county.	Average retail price, per ton.
South Carolina:	<i>Dollars.</i>	Georgia—Continued:	<i>Dollars.</i>
Dillon.....	86.00	Warren.....	105.00
Sumter.....	86.00	Talbot.....	105.00
Oconee.....	90.00	Stewart.....	105.00
Newberry.....	90.00	Wilkes.....	105.00
Fairfield.....	92.00	Hancock.....	105.00
Darlington.....	92.50	Cobb.....	105.00
Marion.....	92.50	Heard.....	105.00
Saluda.....	95.00	Ben Hill.....	105.16
Oconee.....	95.00	Jeff Davis.....	106.00
Hampton.....	95.00	Madison.....	110.00
Orangeburg.....	95.00	Oconee.....	110.00
Abbeville.....	95.50	Gwinnett.....	110.00
Lexington.....	98.00	Bibb.....	110.00
Georgetown.....	100.00	Houston.....	110.00
Edgefield.....	100.00	Catoosa.....	120.00
McCormick.....	100.00	Paulding.....	120.00
Greenwood.....	100.00	Walker.....	125.00
Pickens.....	105.00		
Clarendon.....	108.00	Florida:	
Beaufort.....	110.00	Volusia.....	90.00
Georgia:		Lake.....	90.00
Calhoun.....	83.00	De Soto.....	90.00
Randolph.....	90.00	Manatee.....	92.42
Ware.....	90.00	Alachua.....	93.77
Tattnall.....	90.00	Duval.....	94.00
Telfair.....	90.70	Hillsborough.....	94.05
Carroll.....	92.00	Seminole.....	96.50
Chatham.....	92.50	Orange.....	97.00
Toombs.....	94.00	Pinellas.....	97.00
Spalding.....	95.00	Gadsden.....	97.50
Hancock.....	95.00	St. Lucie.....	100.00
Irwin.....	95.00	Madison.....	100.00
Upson.....	95.00	Osceola.....	100.50
Bulloch.....	95.00	Lee.....	101.00
Evans.....	95.00	Brevard.....	108.00
Liberty.....	95.00	Hillsborough.....	109.00
Richmond.....	95.00	Bradford.....	109.00
Campbell.....	95.00	Lake.....	115.00
Macon.....	95.00	Escambia.....	120.00
Miller.....	95.00		
Greene.....	95.70	Kentucky:	
Wilcox.....	96.25	Wayne.....	81.00
Tift.....	97.00	Pulaski.....	85.00
Coweta.....	97.50	McCracken.....	95.00
Emanuel.....	97.70	Oldham.....	100.00
Sumter.....	98.00	Harrison.....	105.00
Crisp.....	98.00	Kenton.....	107.50
Johnson.....	98.00	Boone.....	130.00
Rockdale.....	98.21	Warren.....	155.00
Clayton.....	100.00	Muhlenberg.....	200.00
Clay and Quitman.....	100.00		
Pulaski.....	100.00	Tennessee:	
Putnam.....	100.00	Weakley.....	81.00
Clarke.....	100.00	Madison.....	100.00
Jenkins.....	100.00	Grainger.....	100.00
Newton.....	100.00	Blount.....	100.00
Schley.....	100.00	McMinn.....	100.00
Lowndes.....	100.00	Montgomery.....	105.00
Murray.....	100.00	Davidson.....	105.00
Bleckley.....	100.00	Knox.....	110.00
Berrien.....	100.00	Gibson.....	115.00
Colquitt.....	100.00	Warren.....	120.00
Troup.....	101.00	Shelby.....	150.00
Coffee.....	102.00		
Berrien.....	102.50	Alabama:	
Glynn.....	104.00	Wilcox.....	80.00
Dekalb.....	105.00	Calhoun.....	81.00
Monroe.....	105.00	Tuscaloosa.....	81.50
Columbia.....	105.00	St. Clair.....	81.50
		Clarke.....	83.00

TABLE IV.—Retail price of nitrate of soda, as reported by County Agents, May 1, 1919, summarized by counties—Concluded.

State and county.	Average retail price, per ton.	State and county.	Average retail price, per ton.
Alabama—Continued:	<i>Dollars.</i>	Arkansas:	<i>Dollars.</i>
Tallapoosa.....	84.00	Pope.....	85.00
Autauga.....	85.00	Ouachita.....	95.00
Randolph.....	88.00	Pulaski.....	100.00
Monroe.....	90.00	Benton.....	102.00
Elmore.....	93.25	Yell.....	105.00
Talladega.....	95.00		
Pike.....	95.00	Louisiana:	
Macon.....	95.00	Morehouse.....	81.00
Chambers.....	95.00	Lafourche.....	85.00
Geneva.....	100.00	Bienville.....	87.50
Madison.....	100.00	Washington.....	95.00
Conecuh.....	100.00	Jefferson.....	96.50
Lee.....	100.00	Tangipahoa.....	100.00
Chilton.....	100.00	Natchitoches.....	100.00
Macon.....	100.00	Pointe Coupee.....	100.00
Henry.....	100.00	Webster.....	110.00
Lauderdale.....	100.00	Catahoula.....	110.00
Walker.....	103.00	East Feliciana.....	110.00
Escambia.....	105.00	La Salle.....	110.00
Bibb.....	110.00	St. Helena.....	125.00
Baldwin.....	110.00	East Baton Rouge.....	140.00
Hale.....	110.00		
Pickens.....	120.00	Oklahoma:	
Washington.....	125.00	McCurtain.....	120.00
Jefferson.....	125.00		
Mississippi:		Texas:	
Leflore.....	82.50	Harris.....	81.00
Washington.....	91.00	Freestone.....	85.00
Issaquena.....	95.00	Travis.....	90.00
Oktibbeha.....	100.00	Hardin.....	100.00
Chickasaw.....	100.00	Webb.....	100.00
Perry.....	100.00	Waller.....	100.00
Itawamba.....	100.00	Anderson.....	100.00
Hancock.....	100.00	La Salle.....	105.00
Jones.....	100.00	Cherokee.....	115.00
Forrest.....	100.00	Gregg.....	120.00
Neshoba.....	100.00	Harrison.....	120.00
Newton.....	101.00	Bexar.....	125.00
Clarke.....	105.00	Bowie.....	127.00
Harrison.....	105.00	Tarrant.....	150.00
Lauderdale.....	105.00		
Walthall.....	120.00	West Virginia:	
		Wood.....	125.00

ACID PHOSPHATE (16%).

The following table gives the wholesale price of acid phosphate at New York for each week from January 1 to May 1, 1919:

TABLE V.—Wholesale price of acid phosphate at New York for each week from January 1 to May 1, 1919.

Date 1919.			Price, per ton.	Relative price.*	Date 1919.			Price, per ton.	Relative price.*
			<i>Dollars.</i>					<i>Dollars.</i>	
January	6	-----	17.00	234	March	3	-----	17.00	234
	13	-----	17.00	234		10	-----	17.00	234
	20	-----	17.00	234		17	-----	17.00	234
	27	-----	17.00	234		24	-----	16.50	215
February	3	-----	17.00	234	April	7	-----	16.50	215
	10	-----	17.00	234		14	-----	16.50	215
	17	-----	17.00	234		21	-----	16.50	215
	24	-----	17.00	234		28	-----	15.50	202

* Based on average price July 1, 1913, to June 30, 1914, \$7.6667 per ton = 100.

Retail prices of acid phosphate (16%) in various parts of the country are given in the tables following. The tables are compiled from returns of county agents, as in the case of the prices of nitrate of soda. Table VI summarizes the data by districts, Table VII by States, and Table VIII by counties.

TABLE VI.—Retail price of acid phosphate (16%), as reported by County Agents, May 1, 1919, summarized by districts.

District and State.	Number of counties.	Average retail price, per ton.	Number of counties.	Average retail price, per ton.	District and State.	Number of counties.	Average retail price, per ton.	Number of counties.	Average retail price, per ton.
<i>Dollars.</i>					<i>Dollars.</i>				
New England:					S. Atlantic—Cont.:				
Vermont-----	1	27.50			North Carolina---	61	26.00		
Massachusetts---	3	29.50			South Carolina---	23	24.34		
Connecticut-----	5	30.00	9	29.50	Georgia-----	81	26.49		
					Florida-----	37	25.66	292	26.25
Middle Atlantic:					East South Central:				
Pennsylvania-----	8	29.32	8	29.32	Kentucky-----	38	31.50		
East North Central:					Tennessee-----	51	29.47		
Indiana-----	38	30.16			Alabama-----	47	26.71		
Illinois-----	4	28.50			Mississippi-----	40	28.21	176	28.87
Michigan-----	2	31.50	44	30.07	West South Central:				
South Atlantic:					Arkansas-----	27	31.21		
Maryland-----	15	26.41			Louisiana-----	42	28.42		
Virginia-----	52	26.03			Oklahoma-----	2	31.50		
West Virginia-----	21	29.91			Texas-----	39	32.49	110	30.60

TABLE VII.—Retail price of acid phosphate (16%), as reported by County Agents, May 1, 1919, summarized by States.

State.	Counties.	Average price, per ton.	State.	Counties.	Average price, per ton.
		<i>Dollars.</i>			<i>Dollars.</i>
South Carolina.....	24	24.34	Pennsylvania.....	8	29.32
Florida.....	37	25.66	Tennessee.....	50	29.47
North Carolina.....	61	26.00	Massachusetts.....	3	29.50
Virginia.....	53	26.03	West Virginia.....	20	29.91
Maryland.....	16	26.41	Connecticut.....	5	30.00
Georgia.....	81	26.49	Indiana.....	38	30.16
Alabama.....	47	26.71	Arkansas.....	27	31.21
Vermont.....	1	27.50	Kentucky.....	38	31.30
Mississippi.....	41	28.21	Oklahoma.....	2	31.50
Louisiana.....	42	28.42	Michigan.....	2	31.50
Illinois.....	4	28.50	Texas.....	39	32.40

TABLE VIII.—Retail price of acid phosphate (16%), as reported by County Agents, May 1, 1919, summarized by counties.

State and county.	Average retail price, per ton.	State and county.	Average retail price, per ton.
	<i>Dollars.</i>		<i>Dollars.</i>
Vermont:		Indiana:	
Windsor.....	27.50	Bartholomew—	
Massachusetts:		Quotation A.....	\$26.50
Franklin.....	27.00	Quotation B.....	28.50
Middlesex.....	30.00	Average.....	27.50
Barnstable.....	31.50	Steuben.....	27.50
Connecticut:		Putnam.....	27.75
Windham.....	25.00	Decatur—	
Tolland.....	25.00	Quotation A.....	\$28.00
New Haven.....	31.50	Quotation B.....	27.50
Hartford.....	31.50	Average.....	27.75
Fairfield.....		Union—	
Quotation A.....	\$34.00	Quotation A.....	\$27.75
Quotation B.....	40.00	Quotation B.....	28.50
Average.....	37.00	Average.....	27.88
Pennsylvania:		Miami.....	28.00
Fayette—		Starke.....	28.00
Quotation A.....	\$25.80	Marshall.....	28.00
Quotation B.....	29.50	Porter—	
Average.....	27.65	Quotation A.....	\$28.00
Indiana.....	28.00	Quotation B.....	28.50
Sullivan.....	28.00	Average.....	28.25
Armstrong—		Whitley.....	28.30
Quotation A.....	\$27.50	Elkhart.....	28.45
Quotation B.....	29.00	Madison—	
Average.....	28.25	Quotation A.....	\$27.00
Greene.....	30.00	Quotation B.....	30.00
Huntingdon—		Average.....	28.50
Quotation A.....	\$29.00	Dearborn.....	29.00
Quotation B.....	30.00	Rush.....	29.00
Quotation C.....	32.50	Pulaski.....	29.00
Average.....	30.50	Orange.....	29.00
Washington—		Greene.....	29.50
Quotation A.....	\$30.00	Cass.....	30.00
Quotation B.....	30.75	Monroe.....	30.00
Quotation C.....	32.00	Huntington.....	30.00
Average.....	30.92	Kosciusko.....	30.00
Westmoreland—		Wabash.....	30.00
Quotation A.....	\$30.00	Hancock—	
Quotation B.....	31.75	Quotation A.....	\$29.75
Quotation C.....	32.00	Quotation B.....	31.00
Average.....	31.25	Average.....	30.38

TABLE VIII.—Retail price of acid phosphate (16%), as reported by County Agents, May 1, 1919, summarized by counties—Continued.

State and county.	Average retail price, per ton.	State and county.	Average retail price, per ton.
Indiana—Continued:	<i>Dollars.</i>	Virginia—Continued:	<i>Dollars.</i>
Henry—		Roanoke.....	25.50
Quotation A.....	\$28.75	Charlotte.....	25.50
Quotation B.....	32.00	Smyth.....	25.50
Quotation C.....	32.00	Shenandoah.....	25.50
Average.....	30.92	Roanoke.....	25.50
White.....	31.00	Prince William.....	25.51
Vanderburg.....	31.00	Richmond.....	25.75
Newton.....	31.00	Goochland.....	26.00
Hendricks.....	31.11	Washington.....	26.00
Daviess.....	32.00	Wythe.....	26.00
Boone.....	32.00	Southampton.....	26.00
Vigo.....	32.00	Prince Edward.....	26.00
Adams.....	32.00	Albemarle.....	26.00
Tippecanoe.....	32.00	District Agent.....	26.00
Benton.....	32.00	Mecklenburg.....	26.00
Knox—		Botetourt.....	26.00
Quotation A.....	\$32.50	Appomattox.....	26.00
Quotation B.....	33.75	Dinwiddie.....	26.00
Average.....	33.13	Greensville.....	26.00
Tipton—		Loudoun.....	26.00
Quotation A.....	\$32.50	Nottaway.....	26.15
Quotation B.....	36.00	Pulaski.....	26.50
Average.....	34.50	Dickenson.....	26.50
Jefferson.....	35.00	Buckingham.....	26.50
Sullivan.....	35.00	Greensville.....	26.75
Illinois:		Henry.....	27.00
Randolph.....	27.00	Henrico.....	27.00
Knox.....	27.25	Lunenburg.....	27.20
Grundy.....	29.75	Fluvanna.....	27.50
Clinton.....	30.00	Orange.....	27.50
Michigan:		Craig.....	28.00
Kent.....	30.00	Sussex.....	28.17
Alger.....	33.00	Alleghany.....	28.25
Maryland:		York.....	30.00
Worcester.....	24.00	Carroll.....	42.80
Caroline.....	24.00	West Virginia:	
Frederick.....	24.00	Mercer.....	28.75
Calvert.....	24.00	Roane.....	28.75
Harford.....	24.75	Jackson.....	28.75
Somerset.....	26.00	Kanawha.....	30.00
Kent.....	26.00	Fayette.....	30.00
Cecil.....	26.80	Putnam.....	30.00
Upper end of Eastern Shore.....	27.00	Mason.....	30.00
Washington.....	27.00	Cabell.....	30.00
Wicomico.....	27.00	Wayne.....	30.00
Prince Georges.....	28.00	Raleigh.....	30.00
Montgomery.....	28.00	Summers.....	30.00
Charles.....	28.50	Braxton.....	30.00
Alleghany.....	29.50	Clay.....	30.00
Virginia:		Lewis.....	30.00
Princess Anne.....	21.25	Upshur.....	30.00
Scott.....	22.50	Marion.....	30.00
Nansemond.....	22.60	Harrison.....	30.00
Culpeper.....	23.25	Gilmer.....	30.00
Caroline.....	23.80	Berkeley.....	30.00
Powhatan.....	24.00	Monongalia.....	32.00
Culpeper.....	24.70	Wood.....	33.00
Brunswick.....	24.75	North Carolina:	
Fairfax.....	25.00	Chowan.....	23.00
Hanover.....	25.00	Cleveland.....	23.75
Augusta.....	25.00	Edgecombe.....	24.00
Southampton.....	25.00	Brunswick.....	24.00
Chesterfield.....	25.00	Stokes.....	24.00
Campbell.....	25.10	Caldwell.....	24.00
Bland.....	25.50	Yancey.....	24.00
Patrick.....	25.50	Union.....	24.00
Frederick.....	25.50	Perquimans.....	24.60
		Lincoln.....	25.00
		Gates.....	25.00

TABLE VIII.—Retail price of acid phosphate (16%), as reported by County Agents, May 1, 1919, summarized by counties—Continued.

State and county.	Average retail price, per ton.	State and county.	Average retail price, per ton.
North Carolina—Continued:	<i>Dollars.</i>	South Carolina—Continued:	<i>Dollars.</i>
Wayne.....	25.00	McCormick.....	26.00
New Hanover.....	25.00	Beaufort.....	26.00
Rockingham.....	25.00	Greenwood.....	26.12
Forsyth.....	25.00	Abbeville.....	26.12
Lenoir.....	25.00	Hampton.....	26.80
Dare.....	25.00	Clarendon.....	28.00
Pasquotank.....	25.00		
Cumberland.....	25.10	Georgia:	
Alamance—Guilford.....	25.50	Spalding.....	17.50
Davidson.....	25.50	Johnson.....	21.00
Cabarrus.....	25.50	Greene.....	22.80
Cherokee.....	25.50	Bibb.....	23.00
Madison.....	25.50	Douglas.....	23.00
Iredell.....	25.50	Coweta.....	23.00
Anson.....	25.50	Tattnall.....	23.75
Beaufort.....	25.50	Putnam.....	23.97
Catawba.....	25.50	Irwin.....	24.00
Chatham.....	25.50	Cobb.....	24.50
Northampton.....	25.50	Rockdale.....	24.74
Lee.....	25.50	Berrien.....	24.75
Johnston.....	25.60	Paulding.....	25.00
Hyde.....	26.00	Upson.....	25.00
Macon.....	26.00	Sumter.....	25.00
McDowell.....	26.00	Pickens.....	25.00
Rowan.....	26.00	Hancock.....	25.00
Clay.....	26.00	Pulaski.....	25.00
Warren.....	26.40	Chatham.....	25.00
Wilkes.....	26.50	Carroll.....	25.00
Pender.....	26.50	Toombs.....	25.00
Henderson.....	26.50	Madison.....	25.00
Sampson.....	26.75	Randolph.....	25.00
Robeson.....	26.75	Bulloch.....	25.00
Halifax.....	27.00	Telfair.....	25.30
Parts of Halifax, Nash, and Edge-		Hancock.....	25.50
combe.....	27.00	Ware.....	25.50
Granville.....	27.00	Emanuel.....	25.50
Wake.....	27.00	Evans.....	25.50
Jones.....	27.00	Brooks.....	25.50
Moore.....	27.50	Liberty.....	26.00
Buncombe.....	27.50	Gwinnett.....	26.00
Vance.....	27.50	Catoosa.....	26.00
Orange.....	27.50	Monroe.....	26.00
Yadkin.....	27.50	Fannin.....	26.00
Avery.....	28.00	Clarke.....	26.12
Nash.....	28.00	Calhoun.....	26.50
Onslow.....	28.00	Wilcox.....	26.50
Harnett.....	28.00	Jenkins.....	26.70
Martin and Pitt.....	28.00	Rabun.....	26.84
Graham.....	28.50	Laurens.....	27.00
Columbus.....	28.50	Richmond.....	27.00
Franklin.....	29.99	Jeff Davis.....	27.00
		Newton.....	27.00
South Carolina:		Tift.....	27.00
Orangeburg.....	21.00	Crisp.....	27.00
Pickens.....	22.50	Clayton.....	27.00
Sumter.....	22.50	Jefferson.....	27.10
Dillon.....	23.00	Hart.....	27.50
Newberry.....	23.00	Stephens.....	27.50
Marion.....	23.00	Wilkes.....	27.50
Bamberg.....	23.00	Houston.....	27.50
Darlington.....	23.00	Whitfield.....	27.50
Lexington.....	23.13	Troup.....	27.50
Cherokee.....	24.00	Schley.....	27.50
Saluda.....	24.00	Stewart.....	27.50
Georgetown.....	24.00	Campbell.....	27.50
Fairfield.....	25.00	Talbot.....	27.50
Edgefield.....	25.00	Lowndes.....	27.50
Oconee.....	25.00	Macon.....	27.50
Georgetown.....	25.00	Murray.....	27.50
Union.....	25.50	Miller.....	27.50

TABLE VIII.—Retail price of acid phosphate (16%), as reported by County Agents, May 1, 1919, summarized by counties—Continued.

State and county.	Average retail price, per ton.	State and county.	Average retail price, per ton.
Georgia—Continued:	<i>Dollars.</i>	Kentucky—Continued:	<i>Dollars.</i>
Coffee.....	27.50	Washington.....	30.00
Columbia.....	27.50	Daviess.....	30.00
Ben Hill.....	27.50	Ohio.....	30.00
Colquitt.....	27.50	Knox.....	30.00
Ware.....	27.50	Carroll.....	30.00
McDuffie.....	27.50	Warren.....	30.00
Berrien.....	27.50	Mason.....	30.00
Bleckley.....	27.50	Boyd.....	30.00
Chattooga.....	27.50	Rockcastle.....	30.00
Heard.....	27.50	Oldham.....	31.00
Clay and Quitman.....	28.00	Kenton.....	32.00
Walker.....	28.00	Trigg.....	32.00
Decatur.....	28.14	Warren.....	33.00
Oconee.....	28.32	Boone.....	33.00
Dekalb.....	28.50	Floyd.....	33.00
Jasper.....	29.00	Campbell.....	33.25
Glynn.....	32.00	Clay.....	33.25
Warren.....	49.70	Butler.....	33.50
Florida:		Harrison.....	34.00
Dade.....	21.00	Allen.....	34.50
Brevard.....	21.50	Graves.....	35.00
Volusia.....	21.75	Laurel, Leslie, Harlan.....	35.00
Lake.....	21.85	Marshall.....	35.00
De Soto.....	23.00	Wayne.....	35.00
Gadsden.....	23.50	Lewis.....	35.00
Jackson.....	23.75	Lawrence.....	40.00
Duval.....	24.00	Carter.....	43.00
Lake.....	24.00	Tennessee:	
Baker.....	24.00	Grainger.....	25.00
Hillsborough.....	24.35	White.....	26.00
Holmes.....	24.50	Marshall.....	26.00
Jefferson.....	24.50	Sullivan.....	26.50
Seminole.....	24.50	Lawrence.....	26.50
Manatee.....	25.00	Rutherford.....	26.75
Escambia.....	25.00	Smith.....	26.75
Bradford.....	25.00	Putnam.....	27.00
Jackson.....	25.00	Williamson.....	27.50
Orange.....	25.00	Sumner.....	27.50
Duval.....	25.00	Polk.....	27.50
Putnam.....	25.00	Johnson.....	28.00
Alachua.....	25.17	Blount.....	28.00
Leon.....	25.50	Warren.....	28.00
Pinellas.....	26.00	Cheatham.....	28.50
Okaloosa.....	26.00	Cumberland.....	28.50
Washington.....	26.00	Claiborne.....	28.50
Walton.....	26.50	Montgomery.....	28.75
Alachua.....	25.83	Shelby.....	28.75
Madison.....	27.00	Rhea.....	28.90
St. Lucie.....	27.40	Henry.....	29.00
Hillsborough.....	27.50	Overton.....	29.00
Madison.....	27.50	Bledsoe.....	29.00
Wakulla.....	28.00	Decatur.....	29.00
Santa Rosa.....	28.00	Roane.....	29.00
Lee.....	29.00	Benton.....	29.00
Jackson.....	30.00	Davidson.....	29.50
Osceola.....	43.00	Morgan.....	30.00
Kentucky:		Van Buren.....	30.00
Mercer.....	25.00	Dickson.....	30.00
Hickman.....	27.00	Wilson.....	30.50
Fulton.....	27.00	Knox.....	30.00
Johnson.....	27.50	Williamson, Sumner, Davidson, and Rutherford.....	30.00
Whitley.....	27.95	Franklin.....	30.00
Jefferson.....	28.00	Henderson.....	30.00
Union.....	28.50	Madison.....	30.00
Muhlenberg.....	28.50	McMinn.....	30.00
Pulaski.....	29.00	Weakley.....	30.00
McCracken.....	29.00	Lewis.....	30.37
Fayette.....	29.00	Fayette—Hardeman.....	31.00

TABLE VIII.—Retail price of acid phosphate (16%), as reported by County Agents, May 1, 1919, summarized by counties—Continued.

State and county.	Average retail price, per ton.	State and county.	Average retail price, per ton.
Tennessee—Continued:	<i>Dollars.</i>	Mississippi—Continued:	<i>Dollars.</i>
Union.....	33.00	Simpson.....	27.50
Wayne.....	33.00	Marshall.....	27.50
Hickman.....	33.00	Amite.....	27.75
Clay.....	34.50	Jackson.....	28.00
Gibson.....	35.00	Jefferson Davis.....	28.00
Campbell.....	35.00	Tippah.....	28.00
Stewart.....	37.50	Hinds.....	28.00
Alabama:		Lauderdale.....	28.00
Montgomery.....	22.00	Webster.....	28.00
Geneva.....	23.50	Covington.....	28.00
Baldwin.....	24.00	Benton.....	28.00
Tuscaloosa.....	25.00	Harrison.....	28.00
Mobile.....	25.00	Wayne.....	28.50
Pike.....	25.00	Lawrence.....	28.50
Lee.....	25.00	Hancock.....	29.00
Chilton.....	25.00	Attala.....	29.00
Bibb.....	25.00	Leake.....	29.00
Randolph.....	25.00	Lincoln.....	29.50
Clarke.....	25.35	Perry.....	29.50
Cullman.....	25.50	Pontotoc.....	30.00
Marengo.....	25.50	Newton.....	30.00
Calhoun.....	25.50	Winston.....	30.00
Tallapoosa.....	25.75	Montgomery.....	30.00
Dallas.....	25.80	Jefferson.....	30.00
Pickens.....	26.00	Clarke.....	30.00
Tallapoosa.....	26.00	Rankin.....	30.00
Monroe.....	26.00	Chickasaw.....	30.00
Talladega.....	26.00	Yallobusha.....	30.50
Conecuh.....	26.00	Oktibbeha.....	35.00
Chambers.....	26.25	Arkansas:	
Elmore.....	26.85	Jackson.....	25.15
Cherokee.....	27.00	Fulton.....	26.75
Washington.....	27.00	Pulaski.....	26.84
Macon.....	27.00	Greene (14%).....	27.00
Escambia.....	27.00	Faulkner.....	27.75
Wilcox.....	27.00	Sebastian.....	28.00
Autauga.....	27.00	Conway.....	28.00
Lawrence—Colbert.....	27.00	Ouachita.....	28.00
Coosa.....	27.00	Jefferson.....	29.00
Macon.....	27.00	Grant.....	30.00
Fayette.....	27.00	Pope.....	30.00
Lamar.....	27.50	Drew.....	30.00
Lauderdale.....	28.00	Lafayette.....	30.80
Madison.....	28.00	Benton.....	31.00
Henry.....	28.00	Cleveland.....	31.25
Hale.....	28.00	Johnson.....	32.00
St. Clair.....	28.00	Washington.....	32.00
Greene.....	28.00	Lonoke.....	32.00
Walker.....	29.00	Logan.....	32.50
Jefferson.....	29.75	Conway.....	33.00
Jackson.....	30.00	Yell.....	33.75
Morgan.....	30.00	Clark.....	34.00
Limestone.....	30.00	Independence.....	35.00
Walker.....	30.00	Garland.....	35.00
Winston.....	30.00	Sevier.....	36.00
Mississippi:		Montgomery.....	38.00
Leflore.....	24.00	Scott.....	40.00
Itawamba.....	25.00	Louisiana:	
Quitman.....	25.00	Iberia.....	22.00
Holmes.....	25.65	Pointe Coupee.....	22.00
Walshall.....	26.00	Lafourche.....	25.00
Neshoba.....	26.00	Allen.....	25.30
Forrest.....	27.00	Washington.....	25.50
Pearl River.....	27.00	De Soto.....	26.00
Pike.....	27.00	Evangeline.....	27.00
Union.....	27.00	St. Helena.....	27.00
Jones.....	27.00	Tangipahoa.....	27.50
		East Baton Rouge.....	27.50

TABLE VIII.—Retail price of acid phosphate (16%), as reported by County Agents, May 1, 1919, summarized by counties—Concluded.

State and county.	Average retail price, per ton.	State and county.	Average retail price, per ton.
Louisiana—Continued:	<i>Dollars.</i>	Texas:	<i>Dollars.</i>
Claiborne.....	28.00	Webb.....	24.25
Ascension.....	28.00	Leon.....	25.00
Lincoln.....	28.00	Galveston.....	26.00
West Feliciana.....	28.00	Travis.....	26.75
Grant.....	28.00	Cherokee.....	26.75
East Feliciana.....	28.00	Anderson.....	27.00
Avoyelles.....	28.00	Gregg.....	28.00
Sabine.....	28.00	San Augustine.....	28.00
Caddo.....	28.50	Harrison.....	28.00
Cameron.....	28.50	Henderson.....	28.50
Beauregard.....	28.75	Wilson.....	28.75
Ouachita.....	28.75	Morris.....	29.00
Arcadia.....	28.75	Waller.....	29.00
Beauregard.....	28.75	Bowie.....	29.07
Winn.....	29.00	Reeves.....	29.50
Red River.....	29.00	Coke.....	29.53
Iberia.....	29.00	El Paso.....	29.65
Webster.....	29.00	Shelby.....	30.00
Jefferson Davis.....	29.00	Colorado.....	30.00
Claiborne.....	29.44	Brazoria.....	30.00
Bienville.....	29.50	Wood.....	30.00
Jefferson.....	29.75	Freestone.....	30.00
La Salle.....	30.00	Titus.....	30.00
Caldwell.....	30.00	Trinity.....	30.00
Vermilion.....	30.00	Hardin.....	30.13
East Baton Rouge.....	30.00	Tarrant.....	30.25
Catahoula.....	30.00	Sterling and Glasscock.....	30.25
Natchitoches.....	30.00	Washington.....	31.00
Union.....	31.00	Harris.....	31.25
Morehouse.....	31.00	Jasper.....	31.50
Rapides.....	32.50	Liberty.....	32.50
Calcasieu.....	34.50	Chambers.....	33.00
		Newton.....	33.00
Oklahoma:		Jefferson.....	35.00
Le Flore.....	31.00	Sabine.....	38.00
McCurtain.....	32.00	Dimmit.....	60.00
		Lamar.....	65.00
		Bexar.....	70.00

